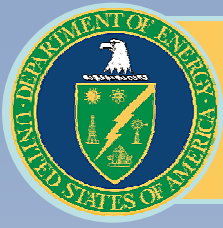


Effective Application of ISMS through Multiple Contractors at AMWTP

Bob Piper, BBWI
Subcontract Technical Representative
Bechtel BWXT Idaho, LLC

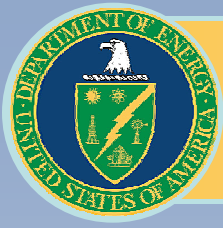


2008 ISM Workshop
August 28, 2008



Multiple Contractors Needed for AMWTP Success

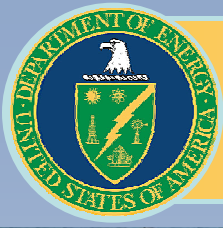
- North Wind, Inc. (NWI)
 - Subcontractor to BBWI
 - Provides mixed low-level waste profiling, data verification and shipping services
- Central Characterization Project (CCP)
 - M&O contractor to Carlsbad Field Office (CBFO) deployed at AMWTP
 - Provides TRU waste characterization, certification and shipping services



Why is ISM Important?

- Significant consequences could result from mistakes
- High customer and stakeholder expectations
 - “99.99% compliance is 100% noncompliant”
Kerry Watson (CBFO Deputy Manager)
- Implementing ISM principles supports 100% compliance which keeps everyone safe

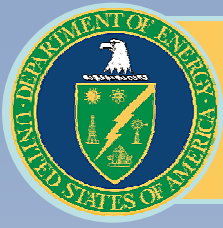




Strong Teamwork Supports ISM

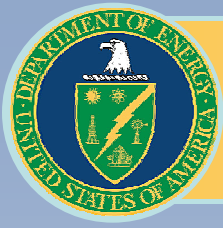


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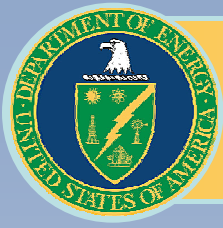
ISM Core Functions

- Defined Scope of Work
 - DOE-ID/BBWI Contract
 - BBWI/NWI Contract
- Identify Hazards
 - Safety hazards
 - NWI conducted hazard analysis
 - BBWI conducted hazard analysis
 - Waste hazards
 - Utilize Waste Isolation Pilot Plant (WIPP) acceptable knowledge documentation
 - Utilize WIPP characterization capabilities



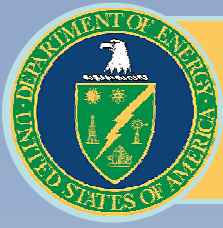
ISM Core Functions (Cont'd.)

- Identify Hazards
 - Contractor interface
 - Utilized Six Sigma process engineering
 - Conducted failure modes and effects analysis
 - BBWI conducted independent contractor interface assessment



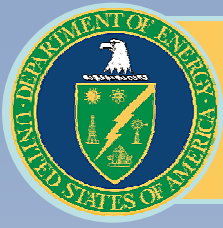
ISM Core Functions (Cont'd.)

- Hazard Mitigation
 - Safety hazards
 - NWI Health and Safety Plan provides mitigation to identified safety hazards that are implemented into NWI procedures
 - AMWTP work control provides mitigation
 - Routine BBWI “Power Walk” area assessments
 - Waste hazards
 - Incorporated rigorous data verification process
 - BBWI shipping personnel oversee and validate all shipments
 - Competence Commensurate with Responsibility (both BBWI and NWI)
 - Utilizing NWI ensures independent review and minimizes disruption to BBWI’s TRU activities



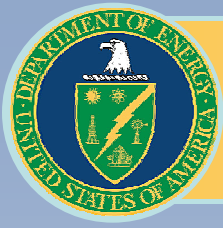
ISM Core Functions (Cont'd.)

- Hazard Mitigation
 - Contractor interface
 - BBWI and NWI procedures clearly define roles, responsibilities and interfaces
 - BBWI assigns a Subcontract Technical Representative (STR) as single point of contact
 - NWI's procedures are reviewed and approved by BBWI to ensure work performed is within AMWTP's authorization basis
 - BBWI performs routine assessments on NWI
 - BBWI assesses commercial MLLW treatment and disposal facilities



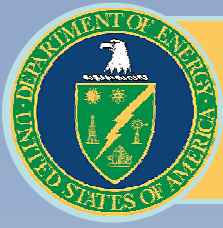
ISM Core Functions (Cont'd.)

- Perform Work
 - All NWI work is performed under BBWI's Work Control Program
 - All NWI work is authorized through BBWI's Plan of the Day (POD) process
 - All NWI maintenance is performed under BBWI's work control process
 - Dedicated BBWI Senior Operations manager assigned to ensure proper field support and compliance
 - Dedicated BBWI waste handlers and RadCon personnel to NWI
 - Dedicated area in Transuranic Storage Area-Retrieval Enclosure (TSA-RE) for NWI work



ISM Core Functions (Cont'd.)

- Feedback/Continuous Improvement
 - Pre-job and post-job briefings
 - Weekly operational and programmatic status meetings
 - End of campaign team meetings
 - NWI personnel participate in Employee Safety and Improvement Team
 - NWI personnel participate in AMWTP “All Hands” meetings

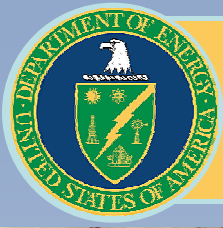


Successful BBWI/NWI Results

- 2,300m³ (2,000 MLLW containers) compliantly shipped
- No lost work time
- Only one recordable injury (dust spec in eye)

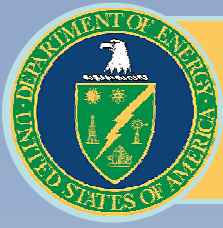






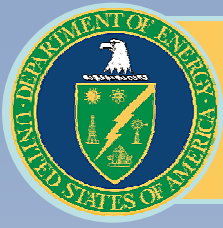
CCP Characterization Processes





BBWI/CCP Integration

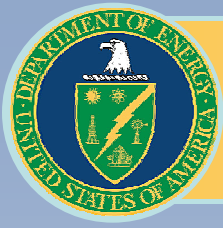
- The ISM core functions are satisfied the same for CCP
 - CCP operates under BBWI's ISM Program.
- Additional BBWI/CCP Integration
- Formal Non-Conformance Report (NCR) transfer process between CCP and BBWI to ensure adverse conditions on transferred drums are formally communicated



Successful BBWI/CCP Results

- 30,000 drums characterized by CCP
- CCP operations have perfect safety record (CCP operational at AMWTP since May 1, 2005)





Summary

- ISM helps ensure a safe and compliant workplace
- Maintaining a safe and compliant workplace is paramount to the future of a DOE contractor and its subcontractors
- BBWI applies ISM uniformly to all its contractors

